



## TRANSIENT RESPONSE SIGNAL GENERATING AND SETTING METHOD AND DEVICE THEREFOR

Patent Number: JP10083190  
Publication date: 1998-03-31  
Inventor(s): ASAYAMA HIROSHI  
Applicant(s): TAIMU WEAR:KK  
Requested Patent: JP10083190  
Application Number: JP19960236481 19960906  
Priority Number(s):  
IPC Classification: G10K15/00; G10K15/12; H04S5/02  
EC Classification:  
Equivalents:

### Abstract

**PROBLEM TO BE SOLVED:** To provide the sound such as the sound to be felt as if it is heard in the hole of a movie theater or the like even when the sound of a conventional movie or the like is reproduced in a house or in the room of a small scale.

**SOLUTION:** A transition response signal generating method is consisting of a step setting a prescribed virtual space having a sound source, a step setting a prescribed actual space in which plural speakers are arranged, a step overlapping hearing points being in the actual space and observation points being in the virtual space, a step calculating potentials in which transient response signals generated from the sound source being in the virtual space are propagated in the virtual space to be exerted on the observation points after respective delay times are elapsed, a step respectively dividing the potentials toward the observation points to plural speakers of the overlapped actual space and a step in which transition response signals are calculated every speaker by adding potentials divided every speaker according to delay time.

Data supplied from the esp@cenet database - I2